

Sequence Listing - Page 1

U.S. Serial No. 10/043 572

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT : Neil MILES

(ii) TITLE OF INVENTION : PEACH TREE 'V75074'

(iii) NUMBER OF SEQUENCES : 7

(iv) CORRESPONDENCE ADDRESS :
(A) ADDRESSEE : FLYNN, THIEL,
BOUTELL & TANIS, P.C.
(B) STREET : 2026 Rambling Road
(C) CITY : Kalamazoo
(D) STATE : Michigan
(E) COUNTRY : USA
(F) ZIP : 49008-1631

(v) COMPUTER READABLE FORM :
(A) MEDIUM TYPE : Diskette, 3.5 inches,
1.44 Mb storage
(B) COMPUTER : Gateway
(C) OPERATING SYSTEM : Microsoft Windows 98
(D) SOFTWARE : Word 2000

(vi) CURRENT APPLICATION DATA :
(A) APPLICATION NUMBER : 10/043 572
(B) FILING DATE : January 10, 2002
(C) CLASSIFICATION : Plant

(vii) PRIOR APPLICATION DATA : N/A
(A) APPLICATION NUMBER :
(B) FILING DATE :

(viii) ATTORNEY/AGENT INFORMATION :
(A) NAME : Sidney B. Williams, Jr.
(B) REGISTRATION NUMBER : 24 949
(C) REFERENCE/DOCKET NUMBER : IPPM Case 7

(ix) TELECOMMUNICATION INFORMATION :
(A) TELEPHONE : (269) 381-1156
(B) TELEFAX : (269) 381-5465

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(2) INFORMATION FOR CPPCT030-A : Sequence ID No. 1

Sequence 5' to 3' : TGAATATTGTTCTCAATTC

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 20
(B) TYPE :
(C) STRANDEDNESS :
(D) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Aranzana et al.
(B) TITLE : Development and Variability
Analysis
Of Microsatellite Markers in
Peach
(C) JOURNAL : Plant Breeding
(D) VOLUME : 121
(F) PAGES : 87-92
(G) DATE : 2002
(K) RELEVANT RESIDUES :
:

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(3) INFORMATION FOR CPPCT030-B : Sequence ID No. 2

Sequence 5' to 3' : CTCTAGGCAAGAGATGAGA

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 19
(B) TYPE :
(C) STRANDEDNESS :
(E) LENGTH :

(ii) MOLECULE TYPE : DNA

(iii) HYPOTHETICAL :

(iv) ANTI-SENSE :

(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :

(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC

(x) PUBLICATION INFORMATION :
(A) AUTHORS : Aranzana et al.
(B) TITLE : Development and Variability
Analysis
Of Microsatellite Markers in
Peach
(C) JOURNAL : Plant Breeding
(D) VOLUME : 121
(F) PAGES : 87-92
(G) DATE : 2002
(K) RELEVANT RESIDUES :

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(4) INFORMATION FOR Pchcms2-A : Sequence ID No. 3

Sequence 5' to 3' : AGGGTCGTCTTTGAC

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 17
(B) TYPE :
(C) STRANDEDNESS :
(F) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Sosinski et al.
(B) TITLE : Characterization of
Microsatellite Markers
In Peach [Prunus persica (L.)
Batsch]
(C) JOURNAL : Theor. Appl. Genet.
(D) VOLUME : 101
(F) PAGES : 421-428
(G) DATE : 2000
(K) RELEVANT RESIDUES :

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(5) INFORMATION FOR Pchcms2-B : Sequence ID No. 4

Sequence 5' to 3' : CTTCGTTCAAGGCCTG

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 17
(B) TYPE :
(C) STRANDEDNESS :
(G) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Sosinski et al.
(B) TITLE : Characterization of
Microsatellite Markers
In Peach [Prunus persica (L.)
Batsch]
(C) JOURNAL : Theor. Appl. Genet.
(D) VOLUME : 101
(F) PAGES : 421-428
(G) DATE : 2000
(K) RELEVANT RESIDUES :

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(6) INFORMATION FOR Pchcms5-A : Sequence ID No. 5

Sequence 5' to 3' : CGCCCATGACAAACTTA

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 17
(B) TYPE :
(C) STRANDEDNESS :
(H) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Sosinski et al.
(B) TITLE : Characterization of
Microsatellite Markers
In Peach [Prunus persica (L.)
Batsch]
(C) JOURNAL : Theor. Appl. Genet.
(D) VOLUME : 101
(F) PAGES : 421-428
(G) DATE : 2000
(K) RELEVANT RESIDUES :

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(7) INFORMATION FOR Pchems5-B : Sequence ID No. 6

Sequence 5' to 3' : GTCAAGAGGTACACCAAG

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 17
(B) TYPE :
(C) STRANDEDNESS :
(I) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Sosinski et al.
(B) TITLE : Characterization of
Microsatellite Markers
In Peach [Prunus persica (L.)
Batsch]
(C) JOURNAL : Theor. Appl. Genet.
(D) VOLUME : 101
(F) PAGES : 421-428
(G) DATE : 2000
(K) RELEVANT RESIDUES :

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(8) INFORMATION FOR UDP96-013-A : Sequence ID No. 7

Sequence 5' to 3' : ATTCTTCACTACACGTGCACG

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 21
(B) TYPE :
(C) STRANDEDNESS :
(J) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE : ARTIFICIAL
(A) ORGANISM :
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Cipriani et al.
(B) TITLE : AC/GT and AG/CT Microsatellite
Repeats in
Peach [Prunus persica (L)
Batsch]: isolation,
Characterization, and cross-
species
Amplification in Prunus
Theor. Appl. Genet.
(C) JOURNAL :
(D) VOLUME : 99
(F) PAGES : 65-72
(G) DATE : 1999
(K) RELEVANT RESIDUES :
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Testolin et al.
(B) TITLE : Microsatellite DNA in peach
(Prunus
persica L. Batsch) and its use in
Fingerprinting and testing the
genetic
Origin of cultivars
(C) JOURNAL : Genome
(D) VOLUME : 43
(F) PAGES : 512-520
(G) DATE : 2000
(K) RELEVANT RESIDUES :

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(9) INFORMATION FOR UDP96-013-B : Sequence ID No. 8

Sequence 5' to 3' : CCCCCAGACATACTGTGGCTT

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 20
(B) TYPE :
(C) STRANDEDNESS :
(K) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Cipriani et al.
(B) TITLE : AC/GT and AG/CT Microsatellite
Repeats in
Peach [Prunus persica (L)
Batsch]: isolation,
Characterization, and cross-
species
Amplification in Prunus
Theor. Appl. Genet.
(C) JOURNAL :
(D) VOLUME : 99
(F) PAGES : 65-72
(G) DATE : 1999
(K) RELEVANT RESIDUES :
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Testolin et al.
(B) TITLE : Microsatellite DNA in peach
(Prunus
persica L. Batsch) and its use in
Fingerprinting and testing the
genetic
Origin of cultivars
(C) JOURNAL : Genome
(D) VOLUME : 43
(F) PAGES : 512-520
(G) DATE : 2000
(K) RELEVANT RESIDUES :

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(10) INFORMATION FOR UDP98-407-A : Sequence ID No. 9

Sequence 5' to 3' : AGCGGCAGGCTAAATATCAA

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 20
(B) TYPE :
(C) STRANDEDNESS :
(L) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Cipriani et al.
(B) TITLE : AC/GT and AG/CT Microsatellite
Repeats in
Peach [Prunus persica (L)
Batsch]: isolation,
Characterization, and cross-
species
Amplification in Prunus
Theor. Appl. Genet.
(C) JOURNAL :
(D) VOLUME : 99
(F) PAGES : 65-72
(G) DATE : 1999
(K) RELEVANT RESIDUES :
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Testolin et al.
(B) TITLE : Microsatellite DNA in peach
(Prunus
persica L. Batsch) and its use in
Fingerprinting and testing the
genetic
Origin of cultivars
(C) JOURNAL : Genome
(D) VOLUME : 43
(F) PAGES : 512-520
(G) DATE : 2000
(K) RELEVANT RESIDUES :

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(11) INFORMATION FOR UDP98-407-B : Sequence ID No. 10

Sequence 5' to 3' : AATCGCCGATCAAAGCAAC

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 19
(B) TYPE :
(C) STRANDEDNESS :
(M) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE : ARTIFICIAL
(A) ORGANISM :
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Cipriani et al.
(B) TITLE : AC/GT and AG/CT Microsatellite
Repeats in
Peach [Prunus persica (L)
Batsch]: isolation,
Characterization, and cross-
species
Amplification in Prunus
Theor. Appl. Genet.
(C) JOURNAL :
(D) VOLUME : 99
(F) PAGES : 65-72
(G) DATE : 1999
(K) RELEVANT RESIDUES :
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Testolin et al.
(B) TITLE : Microsatellite DNA in peach
(Prunus
persica L. Batsch) and its use in
Fingerprinting and testing the
genetic
origin of cultivars
(C) JOURNAL : Genome
(D) VOLUME : 43
(F) PAGES : 512-520
(G) DATE : 2000
(K) RELEVANT RESIDUES :

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U.S. Serial No. 10/043 572

(12) INFORMATION FOR BPPCT025-A : Sequence ID No. 11

Sequence 5' to 3' : TCCTGCGTAGAAGAAGGTAGC

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 21
(B) TYPE :
(C) STRANDEDNESS :
(N) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE : ARTIFICIAL
(A) ORGANISM :
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Dirlewanger et al.
(B) TITLE : Development of microsatellite markers
: In peach [Prunus persica (L.) Batsch]
: And their use in genetic diversity
: Analysis in peach and sweet cherry
: Theor. Appl. Genet.
(C) JOURNAL :
(D) VOLUME : 105
(F) PAGES : 127-138
(G) DATE : 2002
(K) RELEVANT RESIDUES :

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U.S. Serial No. 10/043 572

(13) INFORMATION FOR BPPCT025-B : Sequence ID No. 12

Sequence 5' to 3' : CGACATAAAGTCCAAATGGC

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 20
(B) TYPE :
(C) STRANDEDNESS :
(O) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Dirlewanger et al.
(B) TITLE : Development of microsatellite
markers
: In peach [Prunus persica (L.)
Batsch]
: And their use in genetic
diversity
: Analysis in peach and sweet
cherry
(C) JOURNAL : Theor. Appl. Genet.
(D) VOLUME : 105
(F) PAGES : 127-138
(G) DATE : 2002
(K) RELEVANT RESIDUES :

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(14) INFORMATION FOR Pchgms1-A : Sequence ID No. 13

Sequence 5' to 3' : GGGTAAATATGCCCATTGTGCAATC

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 25
(B) TYPE :
(C) STRANDEDNESS :
(P) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Sosinski et al.
(B) TITLE : Characterization of
Microsatellite Markers
In Peach [Prunus persica (L.)
Batsch]
(C) JOURNAL : Theor. Appl. Genet.
(D) VOLUME : 101
(E) PAGES : 421-428
(F) DATE : 2000
(K) RELEVANT RESIDUES :

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(15) INFORMATION FOR Pchgm1-B : Sequence ID No. 14

Sequence 5' to 3' : GGATCATTGAACTACGTCAATCCTC

(i) SEQUENCE CHARACTERISTICS :
(A) LENGTH : 25
(B) TYPE :
(C) STRANDEDNESS :
(Q) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE : ARTIFICIAL
(A) ORGANISM :
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
(B) CLONE :
(C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
(A) AUTHORS : Sosinski et al.
(B) TITLE : Characterization of
Microsatellite Markers
In Peach [Prunus persica (L.)
Batsch]
(C) JOURNAL : Theor. Appl. Genet.
(D) VOLUME : 101
(F) PAGES : 421-428
(G) DATE : 2000
(K) RELEVANT RESIDUES :